

**IN THE
UNITED STATES
PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Katefides, et al.

CASE: OST-031145

SERIAL NO.: 10/642,401

FILED ON: August 15, 2003

FOR: BURNER FOR A THERMAL POST-COMBUSTION DEVICE

STATEMENT OF
BASIS FOR
RELEVANCE OF
FOREIGN
LANGUAGE
DOCUMENTS
IDENTIFIED IN
SUBMITTED PTO-
1449

COMMISSIONER FOR PATENTS
OF:
P.O. Box 1450
Alexandria, VA 22313-1450

ATTENTION

EXAMINER:

Dear Sir:

If any charges or fees must be paid in connection with the following communication, they may be paid out of our Deposit Account No. 50-0545.

Publication Number

DE 44 09 369

Publication Date

August 31, 1995

Basis for Relevance

The equipment has passages which supply the preheated carrier medium current, and that pipes the fuel in gas or vapor form necessary for combustion of the pollutants. The passages run parallel to the axial direction in one combustion-chamber end wall, and in which they are evenly spaced. Radial branch passages emanate from each fuel feed pipe which is concentric inside its respective passage. The annular chamber between the hub containing the fuel pipe and the passage contains swirl-inducting canes, at the vacuum side of which the branch passages discharge. Each passage with its branch passages can form an individual burner, all of these being of the same dimensions.

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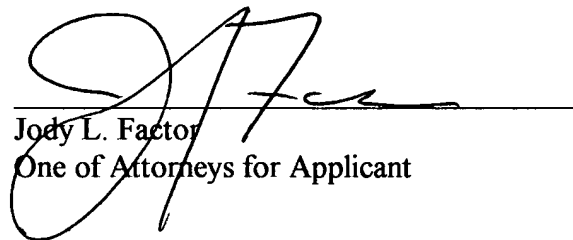
November 30, 1970

This patent relates to a whirl muffle burner having a central supply of oil and/or gas. A lance of the burner provides the fuel and is surrounded by an annular passage receiving air from a conduit. This air is entering a head chamber in tangential direction. The air is given momentum by momentum means and will exit from the annular passage as a whirl and intensive the mix with the fuel atomized by the atomizer nozzle. There is a second annular passage way including an axially adjustable portion and being provided with means imparting momentum to the air flowing through the annular passage way. The angular velocity component of the air exiting the central annular passage way is larger than the tangential velocity component of the air exiting the outer annular passage way.

Should anything further be required, a telephone call to the undersigned at (312) 226-1818 is respectfully invited.

Respectfully submitted,

Dated: 6/22/04

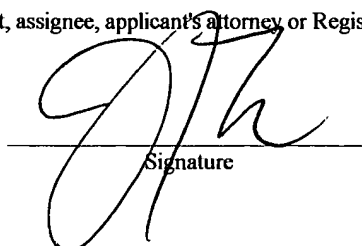

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Patent Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on 6/22/04.

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